

D. Watman

1648

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/147,801B
DATE: 09/05/2000
TIME: 12:23:56

Input Set : A:\Niklassn.app
Output Set: N:\CRF3\09052000\I147801B.raw

```
3 <110> APPLICANT: Niklasson, Bo
5 <120> TITLE OF INVENTION: New Picorna Viruses, Vaccines and Diagnostic Kits
7 <130> FILE REFERENCE: Niklasson 09/147801
9 <140> CURRENT APPLICATION NUMBER: 09/147801B
10 <141> CURRENT FILING DATE: 1999-03-11
12 <150> PRIOR APPLICATION NUMBER: PCT/SE97/01515
13 <151> PRIOR FILING DATE: 1997-09-09
15 <150> PRIOR APPLICATION NUMBER: SE 9603305-5
16 <151> PRIOR FILING DATE: 1996-09-11
18 <160> NUMBER OF SEQ ID NOS: 4
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 264
24 <212> TYPE: DNA
25 <213> ORGANISM: Picornaviridae
27 <400> SEQUENCE: 1
28 agtctagtct tatcttgat gtgtctgca ctgaacttgt ttctgtctct ggagtgtct 60
29 acacttcagt aggggctgta cccgggcggg cccactcttc acaggaatct gcacaggtgg 120
30 ctttcacctc tggacagtgc attccacacc cgctccacag tagaagatga tgtgtgtctt 180
31 tgcttgtaga aagcttgtag aaatcgtgtg taggcgtagc ggctacttga gtgccagcgg 240
32 attacccta gtgtaaacac tagc 264
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 264
36 <212> TYPE: DNA
37 <213> ORGANISM: Picornaviridae
39 <220> FEATURE:
40 <221> NAME/KEY: unsure
41 <222> LOCATION: (109)
42 <223> OTHER INFORMATION: n is A, C, T, or G
44 <220> FEATURE:
45 <221> NAME/KEY: unsure
46 <222> LOCATION: (223)
47 <223> OTHER INFORMATION: n is A, C, T, or G
49 <220> FEATURE:
50 <221> NAME/KEY: unsure
51 <222> LOCATION: (243)
52 <223> OTHER INFORMATION: n is A, C, T, or G
54 <400> SEQUENCE: 2
55 agtctagttt cattctgtgt gtgtttggca ctgaaattat ttctgtctct ggggtgcttt 60
W--> 56 acacttcagt aggggctgta cccgggcggg cccactcttc acaggaatnt gcacaggtgg 120
57 ctttcacctc tggacagtgc attccacacc cgctccacag tagaagatga tgtgtgtctt 180
W--> 58 tgcttgtaga aagcttgtag aaatcgtgtg taggcgtagc ggntacttga gtgccagcgg 240
W--> 59 acnacccta gtgtaaacac tagc 264
61 <210> SEQ ID NO: 3
62 <211> LENGTH: 264
63 <212> TYPE: DNA
64 <213> ORGANISM: Picornaviridae
```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/147,801B

DATE: 09/05/2000

TIME: 12:23:56

Input Set : A:\Niklassn.app

Output Set: N:\CRF3\09052000\I147801B.raw

```

66 <400> SEQUENCE: 3
67 agtttggttc tctcttgagt gtgttttggt ttagcataat ttctgtctct agagtgtttt 60
68 acactctagt aggggctgta cccgggcggt cccactcttc acaggaatct gcacaggtgg 120
69 ctttcacctc tggacagtgc attccatacc cgctccacaa tagaagatga tgtatatctt 180
70 tgtttgtaga atgctcatga aacgtgtgtg taggcgtagc ggctacttga atgccagcgg 240
71 aaccccccta gtggtaacac tagc 264
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 179
75 <212> TYPE: PRT
76 <213> ORGANISM: Picornaviridae
78 <400> SEQUENCE: 4
79 Lys Asp Leu Met Glu Ile Ala Arg Met Pro Ser Val Tyr Lys Gly Glu
80 1 5 10 15
82 Arg Thr Glu Pro Gly Gly Thr Asn Gly Tyr Phe Gln Trp Ser His Thr
83 20 25 30
85 His Ser Pro Ile Asn Trp Val Phe Asp Gly Gly Ile His Leu Glu Asp
86 35 40 45
88 Met Pro Asn Leu Asn Leu Phe Ser Ser Cys Tyr Asn Tyr Trp Arg Gly
89 50 55 60
91 Ser Thr Val Leu Lys Leu Thr Val Tyr Ala Ser Thr Phe Asn Lys Gly
92 65 70 75 80
94 Arg Leu Arg Met Ala Phe Phe Pro Ile Met Met Gln Gly Thr Gln Arg
95 85 90 95
97 Lys Lys His Lys Cys Leu Phe Met Val Cys Asp Ile Gly Leu Asn Asn
98 100 105 110
100 Thr Phe Glu Met Thr Ile Pro Tyr Thr Trp Gly Asn Trp Met Arg Pro
101 115 120 125
103 Thr Arg Gly Ser Val Ile Gly Trp Leu Arg Ile Asp Val Leu Asn Arg
104 130 135 140
106 Leu Thr Tyr Asn Ser Ser Ser Pro Asn Ala Val Asn Cys Ile Leu Gln
107 145 150 155 160
109 Val Lys Met Gly Asn Asp Ala Lys Phe Met Val Pro Thr Thr Ser Asn
110 165 170 175
112 Ile Val Trp

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/147,801B

DATE: 09/05/2000
TIME: 12:23:57

Input Set : A:\Niklassn.app

Output Set: N:\CRF3\09052000\I147801B.raw

L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2